

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number:

101574469  
ETFWP  
4/17/06

Source:

Date Processed by STIC:

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006  
TIME: 12:29:11

Input Set : A:\SQ-AIA-113.ST25.txt  
Output Set: N:\CRF4\04172006\J574469.raw

3 <110> APPLICANT: Aoki, Hirofumi  
4 Kodama, Tatsuhiko  
5 Hasegawa, Kiyotaka  
6 Kajiya, Kentaro  
7 Ishimatsu, Yumiko  
8 Ogou, Masashi  
9 Yoshida, Seiichi  
10 Kishimoto, Jiro  
11 Moro, Osamu  
13 <120> TITLE OF INVENTION: Methods for Predicting Skin Stain Formation and for

Screening

14 Agent Capable of Inhibiting Skin Stain Formation by Means of  
15 Promoted Genes in Stained Regions as an Indicator

17 <130> FILE REFERENCE: AIA-113-PCT

C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/574,469

C--> 19 <141> CURRENT FILING DATE: 2006-03-31

19 <150> PRIOR APPLICATION NUMBER: JP 2003-343549

20 <151> PRIOR FILING DATE: 2003-10-01

22 <150> PRIOR APPLICATION NUMBER: JP 2003-344786

23 <151> PRIOR FILING DATE: 2003-10-02

25 <160> NUMBER OF SEQ ID NOS: 7

27 <170> SOFTWARE: PatentIn version 3.3

29 <210> SEQ ID NO: 1

30 <211> LENGTH: 758

31 <212> TYPE: DNA

32 <213> ORGANISM: Mouse

35 <220> FEATURE:

38 <400> SEQUENCE: 1

W--> 39 aaacccctttt cgtggcacag cttccctccctt aggccgtgaga cttccgttccctt ttcactatga 60  
41 gacttcttagc cctttccggc cttgctctgca tgctgtccctt ctgtttctgc attttctccctt 120  
43 cagaaggggag aagacatccctt gccaagtcctt tgaaactcaag cggctgtgtt cacctatctc 180  
45 cttagatccaa gctgacaacc ttggaaaggaa accacacaac gcccctgcaga ctctgcagaa 240  
47 acaagctacc agtcaagtc a tgggtgtgc ctggggctctt cccacagata tagggcctcc 300  
49 tccggccaga tgaagcgttg atgcccagat gtggagacac cagaagcata cacactatgt 360  
51 tgccttggcc cttgccaatg agtctgaca ctggaaatgtt tcacttcaga catcaggcg 420  
53 gatggattgc agaattccaa gtcctcattt caaagggtgtc accaaaccttc agagtcaacta 480  
55 aggtccagggc tcagccccaca agtcacccatg gtcctccag agtaaaaggc caagattcca 540  
57 cctgtgggag ctacagatcc agagactttc aagctgacta gagtgcagag aagcaagacc 600  
59 tcagtgttat cagccgagac tacagcatct tggaaaccctt cagtcagcccc caaaccctta 660  
61 acacttaacc actggcttcc aaaccaacac ctgttaacttc ctaatgaaat catcaggagg 720  
63 ataccaaaag aaataaaacca taaatcagca tacacacg 758  
66 <210> SEQ ID NO: 2  
67 <211> LENGTH: 2063  
68 <212> TYPE: DNA

Does Not Comply  
Corrected Diskette Needed  
(PS.1)

See error explanation on  
page 5,

15 plain 11 Latin

RAW SEQUENCE LISTING  
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DATE: 04/17/2006  
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Input Set : A:\SQ-AIA-113.ST25.txt  
Output Set: N:\CRF4\04172006\J574469.raw

69 <213> ORGANISM: Homo sapiens

71 <400> SEQUENCE: 2

72	ctctgcccattgggaaacac	ctctctatga	ctctataaat	gtccaagggtg	gccccaaagg	60	
74	aggacttctg	cagcacagct	cccttcccag	gacgtaaaa	tctgccttct	caccatgagg	120
76	cttctagtc	tttccagct	gtctgtatc	ctgtttctt	gtttctccat	cttctccaca	180
78	gaaggaaaga	ggcgtcctgc	caaggcctgg	tcagggcagga	gaaccaggct	ctgctgccac	240
80	cgagtcctca	gccccaaactc	aacaaacctg	aaaggacatc	atgtgaggct	ctgtaaacca	300
82	tgcaagttg	agccagagcc	ccgccttgg	gtgggtcctg	ggcactccc	acaggtgtag	360
84	caactccaaa	gcaagactcc	agacagcgg	gaacctcatg	cctggcacct	gaggtaccca	420
86	gcagccct	gtctccctt	tcagccttca	cagcagttag	ctgcaatgtt	ggagggttcc	480
88	atctcgggct	gcaaggaccc	tgggaaagtt	ccagaactcc	acgtcttgc	ctcaattgtg	540
90	ccatcaactt	tcagagctat	catgagccaa	cctcagcctt	ccgagtagct	gggattacag	600
92	gtgtgcgcca	ccacaccgg	ctaattttt	ttttttttt	tttgagaca	aatctcgct	660
94	ctgtgctca	ggctggagtg	gagtgcagt	gcacgatctc	agtcactgc	agccctctgc	720
96	tcccggttc	aggagattt	cctgactcaa	cctcctgagt	agctgggatt	acaggtgcct	780
98	gccactatgc	ctagctaatt	tttgcatttt	tagtggagac	ggggtttgc	cgtgttggcc	840
100	gggggtgtct	cgaactctg	acctcaagt	atccaccgc	atcgcccc	caaagtgcgt	900
102	ggattatagg	cgtgaaccac	cgcgcctgc	ccattgttg	gtatattaa	taatttagtt	960
104	tttaagtact	tgatttatg	ggcattttt	tgtggatga	ttggagttaa	tcaataaaag	1020
106	cttgcattt	tttttttttgc	gttaagataac	tttttttaat	tcatgtttc	tctgccttga	1080
108	ggtagtgagg	gaaagatctt	aatcagtatt	tttgcattt	actgattgaa	ttcaagcaaa	1140
110	tgagacatca	tgaacttcag	tggttattga	tatccatctg	aatgcctag	1200	
112	aggatacaga	tttctcattt	cattttttgg	tcttcattt	ctctatatac	agaaatgaaa	1260
114	tgacacttct	gggaggcagt	agaagcagga	agtcaatgaa	ttgagtagag	ggtcccatc	1320
116	cctcaggctg	tcattgtatca	gtgacaaattt	ataaaaacaa	actgcaaaat	ctgtggcaag	1380
118	tggctgcctg	cttccatgaa	ggagccatg	aaggtaaac	tctgtggc	gtattttgca	1440
120	ggccggggcg	tgggtgc	cgcctgtat	cctagcacct	tgggaggcca	aggcaggcgg	1500
122	atcaccggag	gtcaggagtt	tgaggattt	caagcaaaag	gtcctcttct	gagtctttcc	1560
124	cagataccca	gcagtgcaga	ggctagctgt	ggaaggttgc	agtggacag	gaatgtattt	1620
126	tatgccttgc	cttacttgc	accattgaga	tttccagaga	aatggcata	acgtcttcta	1680
128	acaacaacag	cagaaagcaa	aatacattaa	cttaagggtt	acaacaaaag	attatcaagt	1740
130	accatgtttt	ccaaccaacc	agtttattcg	ggtataataa	aaataaaaggt	ggggaaaatgt	1800
132	tataattttt	aaggaaactg	tgtactttt	aaatcttctt	tatgaatatac	caatgttact	1860
134	gtaatctgc	tccatataat	gcagcattgt	tgtcagggtc	tgccttgc	ttgggaacag	1920
136	cattgggctt	ttaaatgtct	gcagaatctc	tgcgttgc	gggaatttgc	aatgaacttc	1980
138	ctggtaactgt	aatgaaaaata	aggctgtctc	aacacagtaa	acgtttctc	tcttctttaa	2040
140	aaaaaaaaaa	aaaaaaaaaa	aaa				2063

143 <210> SEQ ID NO: 3

144 <211> LENGTH: 742

145 <212> TYPE: DNA

146 <213> ORGANISM: Rat

148 <400> SEQUENCE: 3

149	ttttttgttgc	ccactgttcc	ctctctatgc	gtgagactcc	agctacttca	ctatgcgtact	60
151	tctcacccttc	tccggtttgt	tcttcatgt	gttccctctgt	ctctgcgttc	tctcctcaga	120
153	aggagaaaaag	gtcctgc	ccatgttgc	actcaggcct	gctgtcatct	atctccttgc	180
155	tccaaaccaa	taactggaaa	ggaaaccaca	caagaccctg	cagaccatgc	agaaagctag	240
157	aatccaattt	atgggggttgc	gcctggggct	ctccacaga	tataggcct	cccgaagctg	300
159	gcctccaccc	agatgaaaacg	tttgcatttgc	gtttagtgc	caacatctg	gcccctacca	360
161	acccatgttgc	ccagaaagct	gtgacaccat	aatgtttcac	ttcagacacgc	tgaaggat	420

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006

TIME: 12:29:11

Input Set : A:\SQ-AIA-113.ST25.txt  
 Output Set: N:\CRF4\04172006\J574469.raw

163 cagaattcca agccctcggt ccaaagggtgc aaccaacctt cagagtcact atgatccagg	480
165 gtcagccac aagtcttcat ggctctgca gagtaaaagt ccaagattcc atccctggga	540
167 gctacagatt cagagactc caagctgact ggcgaacaga gtagcaagac ttccttgtga	600
169 tcagatgaga ttacagcatc ttaggaaccc tcggacaccc ccaaaccat agcatttaat	660
171 caacggata tgaacccaact cctgttaactt cctaattgtaa tcaccaggag aacaccaaaa	720
173 ataataaaatc ataaaatcaat gt	742
176 <210> SEQ ID NO: 4	
177 <211> LENGTH: 20	
178 <212> TYPE: DNA	
179 <213> ORGANISM: Artificial	
181 <220> FEATURE:	
182 <223> OTHER INFORMATION: Sense Primer	
184 <400> SEQUENCE: 4	
185 ttctttgcct gctgctata	20
188 <210> SEQ ID NO: 5	
189 <211> LENGTH: 20	
190 <212> TYPE: DNA	
191 <213> ORGANISM: Artificial	
193 <220> FEATURE:	
194 <223> OTHER INFORMATION: Antisense Primer	
196 <400> SEQUENCE: 5	
197 gacaaggatg agaaaacacg	20
200 <210> SEQ ID NO: 6	
201 <211> LENGTH: 20	
202 <212> TYPE: DNA	
203 <213> ORGANISM: Artificial	
205 <220> FEATURE:	
206 <223> OTHER INFORMATION: Sense Primer	
208 <400> SEQUENCE: 6	
209 actccggetc cttcactatg	20
212 <210> SEQ ID NO: 7	
213 <211> LENGTH: 20	
214 <212> TYPE: DNA	
215 <213> ORGANISM: Artificial	
217 <220> FEATURE:	
218 <223> OTHER INFORMATION: Antisense Primer	
220 <400> SEQUENCE: 7	
221 ctttggaaatg aggacttggaa	20

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006  
TIME: 12:29:12

Input Set : A:\SQ-AIA-113.ST25.txt  
Output Set: N:\CRF4\04172006\J574469.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:4,5,6,7

VARIABLE LOCATION SUMMARY  
PATENT APPLICATION: US/10/574,469

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Input Set : A:\SQ-AIA-113.ST25.txt  
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Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:1; N Pos. 6

*Erroneous Explanation: 2*

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006

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Input Set : A:\SQ-AIA-113.ST25.txt  
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L:19 M:270 C: Current Application Number differs, Replaced Current Application No  
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:39 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1  
L:39 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1  
L:39 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:1  
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0